

ABSTRACT OF THE DISCLOSURE

A directly motor-driven structure of a sewing machine, including: a middle rotary shaft pivotally mounted in a middle section of the housing between the upper and lower driving shafts. A first transmission mechanism connected between the lower driving shaft and the middle rotary shaft. A second transmission mechanism connected between the upper driving shaft and the middle rotary shaft. The first transmission mechanism is spaced from the lower stitching needle by a first length. The second transmission mechanism is spaced from the upper stitching needle by a second length. The second length is smaller than the first length, whereby the sewing machine is formed with a recessed installation space adjacent to the second transmission mechanism. A driving motor is installed in the recessed installation space and directly fixedly connected with the upper driving shaft.